

What is claimed is:

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1. In an XY address type solid state image pickup device having an image pickup region, in which a pixel having a photoelectric conversion unit and producing a signal from an incident light is arranged in row and column, a horizontal scanning circuit and a vertical scanning circuit, a solid state image pickup device being characterized in that a reading operation for a signal of a pixel in one row and an electronic shutter operation for a signal of a pixel in other row are carried out at the same time during one pixel period.

2. A solid state image pickup device according to claim 1, characterized in that a reading operation of a signal of a pixel in one column in the one row and an electronic shutter operation for a signal of a pixel in the one column in other row are performed at the same time.

3. A solid state image pickup device according to claim 1, characterized in that reading operation of a signal of pixel in one column in the one row and an electronic shutter operation for a signal of a pixel in a column adjacent to the one column in the other row are performed at the same time.

4. A solid state image pickup device according to claim 1, characterized a read scanning pulse and an electronic shutter scanning pulse are supplied from both of said horizontal scanning circuit and said vertical scanning circuit.

5. A solid state image pickup device according to claim

4, characterized in that one pulse is supplied for each pixel as the read scanning pulse, one pulse is supplied for each pixel as the electronic shutter scanning pulse, and one of the read scanning pulse and the electronic shutter scanning pulse is supplied at a timing at which phases of the read scanning pulse and the electronic shutter scanning pulse do not overlap.

6. A solid state image pickup device according to claim 1, characterized by comprising such a pixel arrangement in which a vertical selection switch for performing an operation of reading a signal charge, which is obtained by the pixel in the photoelectric conversion unit, to a signal line is controlled by a product between a vertical scanning pulse and a horizontal read pulse, and in that a charge detection amplifier for converting the read signal charge into a voltage is connected to said signal line, and a read scanning pulse and an electronic shutter scanning pulse are respectively supplied from both of the horizontal scanning circuit and the vertical scanning circuit.

7. A solid state image pickup device according to claim 6, characterized in that one pulse is supplied for each pixel as the read scanning pulse, one pulse is supplied for each pixel as the electronic shutter scanning pulse, and one of the read scanning pulse and the electronic shutter scanning pulse is supplied at a timing at which phases of the read scanning pulse and the electronic shutter scanning pulse do not overlap.

8. In a method for driving an XY address type solid state image pickup device having an image pickup region, in which a pixel having a photoelectric conversion unit and producing a signal from an incident light is arranged in row and column, a horizontal scanning circuit and a vertical scanning circuit, a method for driving a solid state image pickup device being characterized in that a reading operation for a signal of a pixel in one row and an electronic shutter operation for a signal of a pixel in other row are carried out at the same time during one pixel period.

9. A driving method for a solid state image pickup device according to claim 8, characterized in that a reading operation of a signal of a pixel in one column in the one row and an electronic shutter operation for a signal of A pixel in the one column in the other row are performed at the same time.

10. A driving method for a solid state image pickup device according to claim 8, characterized in that a reading operation of a pixel in one column in the one row and an electronic shutter operation for a pixel in a column adjacent to the one column in the other row are performed at the same time.

11. A driving method for a solid state image pickup device according to claim 8, characterized in that a read scanning pulse and an electronic shutter scanning pulse are supplied from both of the horizontal scanning circuit and the vertical scanning circuit.

12. A driving method for a solid state image pickup device according to claim 11, characterized in that one pulse is supplied for each pixel as the read scanning pulse, one pulse is supplied for each pixel as the electronic shutter scanning pulse, and one of the read scanning pulse and the electronic shutter scanning pulse is supplied at a timing at which phases of the read scanning pulse and the electronic shutter scanning pulse do not overlap.

13. A driving method for a solid state image pickup device according to claim 8, characterized in that a vertical selection switch for performing a reading operation of a signal charge, which is obtained by the pixel in the photoelectric conversion unit, to a signal line is controlled by a product of a vertical scanning pulse and a horizontal read pulse, the signal charge read to the signal line is converted into a voltage by a charge detection amplifier connected to said signal line, and a read scanning pulse and an electronic shutter scanning pulse are supplied from both of the horizontal scanning circuit and the vertical scanning circuit.

14. A driving method for a solid state image pickup device according to claim 13, characterized in that one pulse is supplied for each pixel as the read scanning pulse, one pulse is supplied for each pixel as the electronic shutter scanning pulse, and one of the read scanning pulse and the electronic shutter scanning pulse is supplied at a timing at which phases

of the read scanning pulse and the electronic shutter scanning pulse do not overlap.

15. A camera , comprising an optical system for focussing an incident light from an object on an image pickup region of a solid state image pickup element, an XY address type solid state image pickup element having the image pickup region, in which a pixel provided with a photoelectric conversion unit and producing a signal from the incident light is arranged in row and column, a drive unit for driving the solid state image pickup element, and a signal processing unit for signal-processing an output signal from the solid state image pickup element to produce a video signal, wherein the drive unit has a horizontal scanning circuit and a vertical scanning circuit, and a reading operation for a signal of a pixel in one row and an electronic shutter operation for a signal of a pixel in other row are carried out at the same time during one pixel period by the drive unit.